



Implementing EVM on NASA Contracts

NASA Procedures and
Guidelines
NPG 9501

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98 NASA Workshop

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NASA EVM Procedures

- Provide EVM Application Guidance for Field Installations and JPL
- Used in conjunction with DoD Guidance
 - Earned Value Management Implementation Guide (EVM-IG)
 - Cost Schedule Status Report (C/SSR) Joint Guide

Applicability



- NASA Headquarters and NASA Centers
- Jet Propulsion Laboratory

The NASA EVM Procedures

- Establish the EVM Focal Point Council
- Outlines Responsibilities
- Provides projects with the “How to’s” in getting EVM on contracts
- Endorses Integrated Baseline Review (IBR) Concept

EVM Focal Point Council

- One person from each Center and JPL
- Ensures consistent EV application and implementation

EVM-FP Responsibilities

- Coordinate Project Request for Waivers
- Assist CO in developing EVM requirements
- Review applicable solicitations prior to release
- Support Source Evaluation Board
- Facilitate on-going project implementation
- Provide for EVM training

The How To's

- Included as Work Instructions:
 - Sample Data Requirements Documents (DRD)
 - Cost Performance Reporting
 - Contract Work Breakdown Structure and Dictionary
 - Schedule Requirements
 - Optional Technical Performance Requirements
 - Projects are encouraged to tailor sample DRD's to meet individual project needs

NASA EVM Procedures

- PMB's will be substantiated through an IBR
- IBR is an formal review conducted by the PM and technical staff within 6 months after contract award
- IBR most often replaces the need for Compliance Review (or Subsequent Application Review)

Contractor System Compliance

- Responsibility for EVM System Reviews shifts to Defense Contract Management Command (DCMC)

Objectives of an IBR

- Ensure a reliable baseline plan is established which
 - captures the entire scope of work
 - is consistent with contract schedule requirements, and
 - has adequate resources assigned to complete program tasks
- Guidance in IBR Process is outlined in EVM-IG Section 4-2

NASA EVM Procedures

- Require IBR Training prior to review
 - Basics of EVM
 - System Walk-through
 - IBR Workshop

NASA EVM Procedures

- Augments NPG 7120 "NASA Prog and Proj Mgmt Processes and Requirements"
- Further defines PM's Role in EVM as
 - Implementing EVM effectively
 - Ensuring project IBR team training
 - Supporting Center EVM Focal Point in
 - EVM Systems Problem resolution
 - Request for DCMC Mgmt Systems Review

NASA EVM Procedures

- Outlines the “Analysis Process”
- Provides projects with guidance in the analysis of contractor cost performance data

Evolving Document

- NASA EVM Procedures and Guidelines are intended to be continually updated as the EVM process evolves